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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Roger M. Ikeda *et al.* Confirmation No.: 7897  
Application No.: 10/748,950  
Filed: December 30, 2003  
Group Art Unit: 2624  
Examiner: Stephen R. Koziol  
Docket No.: TI-37410  
Customer No.: 23494  
For: Automatic Gain Control for Image Display Systems

**PETITION FOR CORRECTION OF INVENTORSHIP IN A PATENT APPLICATION**  
**PURSUANT TO 37 C.F.R. § 1.48(a)**

**Mail Stop Petition**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit this Petition to 37 C.F.R. § 1.48 to correct the original naming of inventors. Applicants respectfully request that the application be amended to state the true inventive entity. Please add the following previously unnamed person as joint inventor of the above-identified patent application:

**Steven M. Penn**

Submitted with this Petition are the following papers:

1. Consent of Assignee, Texas Instruments Incorporated, for Correction of Inventorship in a Patent Application Pursuant to 37 C.F.R. § 1.48(a);
2. Statement from Person Being Added as an Inventor Pursuant to 37 C.F.R. § 1.48(a);
3. Combined Declaration and Power of Attorney for Utility or Design Patent Application Pursuant to 37 C.F.R. § 1.63;
4. A copy of the Assignment from Roger M. Ikeda to Texas Instruments Incorporated recorded on December 29, 2003 and found at Reel 014859 and Frame 0987; and

5. Assignment from Steven M. Penn to Texas Instruments Incorporated for the above-referenced patent application with corresponding Assignment Recordation Form Cover Sheet.
6. Processing Fee Transmittal Under 37 C.F.R. 1.17(i).

Please charge \$40.00 to cover the Assignment recordal fee as required by 37 C.F.R. § 1.21(h) to Deposit Account No. 20-0668 of Texas Instruments Incorporated. Applicants believe that no other fees are due, however, the Commissioner is hereby authorized to charge any fees or credit any overpayment to Deposit Account No. 20-0668 of Texas Instruments Incorporated.

Respectfully submitted,



Charles A. Brill  
Attorney for Applicants  
Reg. No. 37,786

Texas Instruments Incorporated  
P.O. Box 655474, MS 3999  
Dallas, TX 75265  
(972) 917-4379

Dated: 28 JAN 2009

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Roger M. Ikeda *et al.* Confirmation No.: 7897  
Application No.: 10/748,950  
Filed: December 30, 2003  
Group Art Unit: 2624  
Examiner: Stephen R. Koziol  
Docket No.: TI-37410  
Customer No.: 23494  
For: Automatic Gain Control for Image Display Systems

**CONSENT OF ASSIGNEE FOR CORRECTION OF INVENTORSHIP**  
**UNDER 37 C.F.R. § 1.48(a)**

**Mail Stop Petition**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

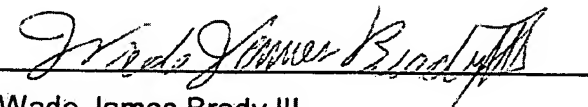
I, Wade James Brady III, Vice President of Texas Instruments Incorporated, represent that Texas Instruments Incorporated, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is the assignee and the exclusive owner of the entire right, title, and interest of, in, and to U.S. Application No. 10/748,950, filed December 30, 2003, for Automatic Gain Control for Image Display Systems, as evidenced by the copies of the Assignments following; that I am empowered to act on behalf of Texas Instruments Incorporated, and that I have reviewed the evidentiary documentation and certify that, to the best of assignee's knowledge and belief, title is in the assignee seeking to take this action.

Texas Instruments Incorporated hereby consents to the correction of inventorship filed herewith.

The above stated facts are true to the extent based on my personal knowledge and are otherwise believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed this 20 th day of February, 2009, at  
Dallas, Texas, U.S.A.

TEXAS INSTRUMENTS INCORPORATED

A handwritten signature in cursive script, reading "Wade James Brady III", is written over a horizontal line.

Wade James Brady III

Vice President

Texas Instruments Incorporated

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Roger M. Ikeda *et al.* Confirmation No.: 7897  
Application No.: 10/748,950  
Filed: December 30, 2003  
Group Art Unit: 2624  
Examiner: Stephen R. Koziol  
Docket No.: TI-37410  
Customer No.: 23494  
For: Automatic Gain Control for Image Display Systems

**STATEMENT FROM PERSON BEING ADDED AS INVENTOR**  
**UNDER C.F.R. § 1.48(a)**

**Mail Stop Petition**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I, Steven M. Penn, declare and state the following:

1. I have reviewed and understand the contents of the above-identified patent application, drawings, and claims. I submit this statement in support of the Petition for Correction of Inventorship in a Patent Application Under 37 C.F.R. § 1.48(a).

2. My name was omitted from the above-identified application for a patent and this error was without deceptive intent on my part.

Executed this \_\_\_\_\_th day of \_\_\_\_\_, 2008, at

Full name of the

Omitted Inventor:

Steven M. Penn

Inventor's Signature:

Steven M. Penn

Date:

1/28/09

Residence: (City State, Country)

Plano, TX, US

Citizenship:

United States of America

Mailing Address:

7312 Angel Fire Drive

Plano, TX 75025



CAJ

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 16, 2004

PTAS

TEXAS INSTRUMENTS INCORPORATED  
CHARLES A. BRILL, ESQ.  
7839 CHURCHILL WAY, M/S 3999  
DALLAS, TX 75251

\*102643409A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/29/2003

REEL/FRAME: 014859/0987

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IKEDA, ROGER M.

DOC DATE: 12/23/2003

ASSIGNEE:

TEXAS INSTRUMENTS INCORPORATED  
7839 CHURCHILL WAY, M/S 3999  
LEGAL DEPARTMENT  
DALLAS, TEXAS 75265

SERIAL NUMBER: 10748950

FILING DATE: 12/30/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: AUTOMATIC GAIN CONTROL FOR IMAGE DISPLAY SYSTEMS

RECEIVED  
JUL 23 2004  
PATENT DEPT

KV

014859/0987 PAGE 2

MARGARET LASALLE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



01-12-2004

FORM PTO 1595  
1-31-92RECORDATION  
P.DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trade

## 1. Name and Address of Conveying Party(ies):

12-29-03  
Roger M. Ikeda  
8208 Strecker Lane  
Plano, Collin County, Texas 75086

Individual Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

\_\_\_ Yes ☒ No

102643409

Name:

TEXAS INSTRUMENTS INCORPORATED

Mailing Address:

Legal Department  
P.O. Box 655474, M/S 3999  
Dallas, Texas 75251

Street Address:

Legal Department  
7839 Churchill Way, M/S 3999  
Dallas, Texas 75265

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherAdditional name(s) &  
Address(es) attached?☐ Yes ☒ No

Execution Date: December 23, 2003

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 23, 2003.

## A. Patent Application No.(s):

10748950

## B. Patent No.(s):

Additional Numbers ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed to:

Name: Charles A. Brill, Esq.  
Internal Address: TEXAS INSTRUMENTS INCORPORATED  
Street Address: 7839 Churchill Way, M/S 3999  
City: Dallas  
State: Texas Zip 75251

## 6. Total number of application and patents involved: One

## 7. Total Fee (37C.F.R. 3.41): \$40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit Account Number:

No. 20-0668 of Texas Instruments Incorporated  
(Attach Duplicate Copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kevin J. Meek, Reg. No. 33,738  
Name of Person Signing

Signature

December 30, 2003

Date

Total number of pages including cover sheet

2

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

01/12/2004 ECOOPER 00000019 200668 10748950

01 FC:8021 40.00 DA

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and


WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations and extensions thereof; and I hereby authorize and request the Commissioner of Patents to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year:

Title of Invention	AUTOMATIC GAIN CONTROL FOR IMAGE DISPLAY SYSTEMS		
Signature of Inventor and Name	 Roger M. Ikeda		
Date	Dec. 23, 2003		
Residence (City, State & County)	8208 Strecker Lane Plano, Texas 75086 (Collin County)		
Date Application Executed	Dec. 23, 2003		

After recording, return Assignment to:  
Charles A. Brill (Reg. No. 37,786)  
Texas Instruments Incorporated  
P. O. Box 655474, M/S 3999  
Dallas, Texas 75265

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Steven M. Penn

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) January 28, 2009

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Texas Instruments Incorporated

Internal Address: \_\_\_\_\_

Street Address: 7839 Churchill Way, MS 3999

City: Dallas

State: Texas

Country: US Zip: 75251

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

107748,950

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Charles A. Brill

Internal Address: Texas Instruments Incorporated

Street Address: 7839 Churchill Way, MS 3999

City: Dallas

State: Texas Zip: 75251

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 20-0668

Authorized User Name Charles A. Brill

**9. Signature:**

Charles A. Brill  
Signature

10 FEB 2009  
Date

Charles A. Brill  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

**2**

ATTORNEY DOCKET NO.

TI-37410

## ASSIGNMENT

WHEREAS, I, the undersigned inventor (or each of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

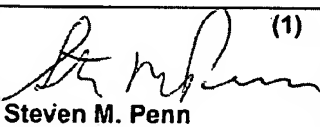
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	Automatic Gain Control for Image Display Systems		
SIGNATURE OF INVENTOR AND NAME	(1)  Steven M. Penn	(2) N/A	(3) N/A
DATE	1/28/09		
RESIDENCE (City, State)	Plano, Texas		
DATE APPLICATION EXECUTED	1/28/09		

After recordation, please return Assignment to:

Charles A. Brill, Esq.  
Texas Instruments Incorporated  
P.O. Box 655474, MS 3999  
Dallas, Texas 75265

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PROCESSING FEE****Under 37 CFR 1.17(i)****TRANSMITTAL**

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/748,950
Filing Date	12/30/2003
First Named Inventor	Roger M. Ikeda
Art Unit	2624
Examiner Name	Stephen R. Koziol
Attorney Docket Number	TI-37410

Enclosed is a paper filed under 37 CFR 1.48(a) that requires a processing fee (37 CFR 1.17(i)).  
Payment of \$ 130.00 is enclosed.

This form should be included with the above-mentioned paper and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see form PTO/SB/17p.

**Payment of Fees** (small entity amounts are NOT available for the processing fees)☒ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 20-0668:☒ processing fee under 37 CFR 1.17(i) ☒ any deficiency of fees and credit of any overpayments

Enclose a duplicative copy of this form for fee processing.

☐ Check in the amount of \$ \_\_\_\_\_ is enclosed.☐ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.**Processing Fees under 37 CFR 1.17(i): Fee \$130 Fee Code 1808 for all,  
Except for § 1.221 papers (Fee Code 1803)**

For papers filed under:

§ 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.

§ 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.

§ 1.48 - for correcting inventorship, except in provisional applications.

§ 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.

§ 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).

§ 1.55 - for entry of late priority papers.

§ 1.71(g)(2) - to enter an amendment to the specification for purposes of 35 U.S.C. 103(c)(2) if not filed within the cited time periods

§ 1.99(e) - for processing a belated submission under § 1.99.

§ 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).

§ 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).

§ 1.103(d) - for requesting deferred examination of an application.

§ 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.

§ 1.221 - for requesting voluntary publication or republication of an application. **Fee Code 1803**

§ 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.

§ 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4), naming an inventive entity different from the inventive entity set forth in the international stage.

§ 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.



Signature

**Charles A. Brill**

Typed or printed name

28 JAN 2009

Date

**37,786**

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.